

Title (en)
Vapour discharge lamp.

Title (de)
Dampfentladungslampe.

Title (fr)
Lampe à décharge à vapeur.

Publication
EP 0225944 A1 19870624 (EN)

Application
EP 85308818 A 19851204

Priority
ZA 859137 A 19851128

Abstract (en)
A metallic vapour discharge lamp has a luminous tube (10) constituted by a translucent ceramic tubular member (11), end caps (12,13) hermetically fixed to both ends of the translucent ceramic tubular member (11), and electrode-supporting tubes (12,13) hermetically inserted into respective end caps (12,13). One electrode-supporting tube (12) serves also as an exhaust tube for evacuation and also as a reservoir for a metal (20) charged into the luminous tube. The outer end extremity of this electrode-supporting tube (12) is hermetically sealed (at 14a) through fusion by application of heat. This hermetic seal (14a) is formed by fusing the end of the electrode-supporting tube by application of heat thereto, while keeping a heat-shielding/absorbing plate held in close contact with the electrode-supporting tube.

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H01J 61/36; **H01J 9/40**

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H01J 9/40 (2006.01); **H01J 61/30** (2006.01)

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H01J 9/40 (2013.01 - EP US); **H01J 61/30** (2013.01 - EP US)

Citation (search report)
• [X] US 3642340 A 19720215 - YAMANE MIKIYA, et al
• [A] GB 2156147 A 19851002 - IWASAKI ELECTRIC CO LTD
• [A] GB 1168145 A 19691022 - WESTINGHOUSE ELECTRIC CORP [US]

Cited by
US5620349A; US5343117A; EP0374676A3; WO2010063517A3

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EP 0225944 A1 19870624; **EP 0225944 B1 19900228**; US 4827190 A 19890502; ZA 859137 B 19860616

DOCDB simple family (application)
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